

Generating Set Functional Test Report

In accordance with ISO 8528 - 6 2005

PLANT NUMBER: E9944 CE: Yes

| | | | | | |
|---------------|-------|------|-----------------------|-------------------|-------------|
| RATED OUTPUT | KVA | 120 | RATING CLASSIFICATION | PRP | |
| | KW | 96 | | | |
| | PHASE | 3 | | | |
| | VOLTS | 230 | | PERFORMANCE CLASS | G1 |
| | AMPS | 302 | | | |
| | HZ | 50 | | | |
| | RPM | 1500 | | | |
| GOVERNOR TYPE | | | Electronic | COOLING METHOD | WATERCOOLED |

| | | | |
|------------------|----------|------------------|-------------|
| ENGINE MAKE | Perkins | BUILD NUMBER | YDS1440 |
| ENGINE MODEL | 1006TAG | SERIAL NUMBER | U918367U |
| ALTERNATOR MAKE | Stamford | | |
| ALTERNATOR MODEL | UCI274E | SERIAL NUMBER | 0269530/028 |
| CONTROL PANEL(S) | Autosart | SERIAL NUMBER(S) | |
| SWITCHGEAR | | SERIAL NUMBER(S) | |

| LOAD TEST RESULTS (AT UNITY POWER FACTOR) | | | | | | | | |
|---|--------|------|-------|------|-----|-------------------|----------------|---------------|
| LOAD TYPE | LOAD % | HZ | VOLTS | AMPS | KW | ENGINE TEMP DEG C | OIL TEMP DEG C | OIL PRESS BAR |
| load acceptance | 65% | 50.0 | 230 | 157 | 62 | — | — | 5.5 |
| standby/ prime+10% | 110% | 50.0 | 230 | 265 | 106 | 82 | — | 4.4 |

GENERATING SET ENCLOSURE MECHANICAL PROTECTION IP

AVERAGE SOUND PRESSURE LEVEL (DBA AT 1 M)

(UNITS WITH ACOUSTIC CANOPIES ONLY & MEASURED UNDER TEST BAY CONDITIONS AT 75% LOAD IN ACCORDANCE WITH ISO8528-10)

| AMBIENT TEST CONDITIONS | | FUEL/OIL USED | |
|---------------------------|-----------|-----------------|------------|
| ALTITUDE (M) | Sea Level | FUEL SPEC | BS2869A2 |
| BAROMETRIC PRESSURE (kpa) | 101.4 | DENSITY | 0.84 kg/l |
| TEMPERATURE (Deg c) | 14 | CALORIFIC VALUE | 42.5 MJ/kg |
| HUMIDITY (%) | 94 | LUB OIL SPEC | Multigrade |

| WIRING DIAGRAMS: | | | |
|------------------|-----------|------------------|-----------|
| ENGINE | 09-160900 | CONTROL PANEL(S) | 10-175200 |

TESTED BY H. Wa

DATE 27/09/2010